NREPP National Registry of Evidence-based Programs and Practices

The New NREPP: Advancing Evidence-based Practice through Improved Decision Support Tools

COCE-CAPT Conference Call
March 20, 2006

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SAMHSA Vision for NREPP

"NREPP becomes a leading national resource for contemporary and reliable information on the scientific basis and practicality of interventions to prevent and/or treat mental illness and substance use and abuse."

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NREPP represents:

- A major agency activity within SAMHSA's Science to Service initiative
- A decision support system that will facilitate evidence-based decisionmaking and practice
- A valuable resource for state and community-based organizations seeking to identify and select programs and practices

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Brief History

1998: Began as ***National Registry of Effective Prevention Programs*** through SAMHSA's Center for Substance Abuse Prevention

1998-2003: Reviewed and rated over 1,100 substance abuse prevention programs, information on over 150 Model, Effective, and Promising Programs on Web site (www.modelprograms.samhsa.gov)

2004: Initial expansion of system to include substance abuse treatment, and mental health promotion and treatment programs

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Recent Developments / Current Status

- NREPP contract transitioned to MANILA Consulting Group in Fall 2004
- Federal Register Notice (FRN) and public comment period initiated in August 2005
- Announcement of new NREPP decision support system and review procedures: March 14, 2006
- New NREPP reviews and re-reviews initiated by Summer 2006;
- NREPP Web site launch in Fall 2006 – **www.nationalregistry.samsha.gov**

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Key Features of the New NREPP

- **Including of more programs/practices**
- **Expanding what type of evidence is "acceptable"**
- **Setting review priorities**
- **Emphasis on outcomes**
- **Elimination of arbitrary labels**

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Overview of the New NREPP

- Streamlined Review Procedures
- Decision Support Tool Dimensions

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Streamlined Review Procedures

Centers within SAMHSA annually establish review priorities regarding:

- Content areas (e.g., homelessness)
- Intervention approaches (e.g., community-based outreach)
- Populations (e.g., older adults)
- Research designs (e.g., quasi experiments and RCTs)
- Inclusion of behavioral and/or non-behavioral outcomes

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Streamlined Review Procedures

Reviews are facilitated by doctoral-level Review Coordinators

- Review application materials for completeness
- Document and verify intervention approaches and outcomes achieved
- Work with applicants to expedite reviews
- Work with applicant to draft summary descriptive dimensions
- Work with 2 Reviewers who independently rate outcome-level evidence on two quantitative dimensions for each intervention

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Streamlined Review Procedures

Re-reviews of current NREPP Model, Effective and Promising Programs

- Center Directors establish priorities
- Staged approach: Model programs followed by Effective and Promising
- Current listings on Model Programs site remain until posting to new NREPP web site
- New NREPP Web site launch in Fall 2006
- Goal is to include a balance of new and existing programs

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Notifications to Program/Practice Developers

- Notified in writing within 2 weeks of the review results
- Review complete program summary, including descriptive and rating dimensions
- Opportunity to discuss any concerns with Review Coordinator and/or Program Manager at MANILA
- If disagreements not resolved in 2 weeks, then written appeals for a re-review of the intervention may be considered on a case-by-case basis

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Decision Support Tool Dimensions

- Descriptive Dimensions
- Rating Dimensions
  - ✓Strength of Evidence
  - ✓Readiness for Dissemination

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Descriptive Dimensions

- **Intervention Name and Summary**
- **Contact Information**
- **Outcomes Achieved-** Each outcome is assessed by Reviewers using Rating Dimensions
- **Effects and Impacts**- Statistical, practical and/or clinical significance of outcome findings

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Descriptive Dimensions Continued

- **Relevant Populations and Settings**- Describes the populations and sample demographics that characterize existing evaluations. Evaluations settings are characterized as:
  - ✓Efficacy studies
  - ✓Effectiveness studies
  - ✓Dissemination studies
- **Estimated Costs**

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Descriptive Dimensions Continued

- **Evaluation Design**

Searchable index of specific experimental and quasi-experimental design types:

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Descriptive Dimensions Continued

- **Replication(s)-** Describes the number of replications that have been conducted in efficacy, effectiveness, or dissemination contexts
- **Adverse Effects**
- **Cultural Appropriateness-** Describes whether intervention materials are specific to culturally-identified groups

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Descriptive Dimensions Continued

- **Proprietary Materials**
- **Implementation History-** Describes the frequency, and duration of prior implementations; number of participants served.

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Rating Dimensions: Strength of Evidence & Readiness for Dissemination

- **Criterion-based ratings from 2 independent Reviewers**
- **Score range is 0 to 4 for each criterion**
- **Average is provided for each overall dimension** (i.e., score is averaged across criteria and Reviewers)
- **Average is provided for each criterion** (i.e., score is averaged across Reviewers). Includes Reviewer narrative comments

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Rating Dimensions

Reviewers independently rate each intervention outcome on these criteria:

- **Strength of Evidence**
  1. **Reliability**
  2. **Validity**
  3. **Intervention Fidelity**
  4. **Missing Data and Attrition**
  5. **Potential Confounding Variables**
  6. **Appropriateness of Analyses**

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Rating Dimensions Continued

- **Readiness for Dissemination**
  1. **Availability of Implementation Materials**
  2. **Availability of Training and Support Resources**
  3. **Quality Improvement Materials**